

Title (en)
Microbial production of alanine

Title (de)
Mikrobielle Herstellung von Alanin

Title (fr)
Préparation microbienne d'alanine

Publication
EP 2357245 A1 20110817 (EN)

Application
EP 11151430 A 20030220

Priority
• EP 03713556 A 20030220
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Abstract (en)
Microbial production of pyruvate and metabolites derived from pyruvate in cells exhibiting reduced pyruvate dehydrogenase activity compared to wildtype cells. Acetate and glucose are supplied as a carbon sources.

IPC 8 full level
C12P 7/40 (2006.01); **C12N 1/21** (2006.01); **C12P 7/22** (2006.01); **C12P 7/26** (2006.01); **C12P 13/06** (2006.01)

CPC (source: EP US)
C12P 7/26 (2013.01 - EP US); **C12P 7/40** (2013.01 - EP US); **C12P 13/06** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP)

Citation (search report)
• [XY] T.GERBARZ ET AL., SPEKTRUM DER WISSENSCHAFTEN, vol. 7, 1995, D-Heidelberg, pages 29 - 33, XP001126957
• [Y] UHLENBUSCH I ET AL: "EXPRESSION OF AN L ALANINE DEHYDROGENASE GENE IN ZYMOMONAS-MOBILIS AND EXCRETION OF L ALANINE", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 57, no. 5, 1991, pages 1360 - 1366, XP002640779, ISSN: 0099-2240
• [A] HASHIMOTO SHIN-ICHI ET AL: "Mechanism of alanine hyperproduction by Arthrobacter oxydans HAP-1: Metabolic shift to fermentation under nongrowth aerobic conditions", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 65, no. 6, June 1999 (1999-06-01), pages 2781 - 2783, XP002640780, ISSN: 0099-2240

Designated contracting state (EPC)
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WO 03070913 A2 20030828; WO 03070913 A3 20041028; AU 2003217600 A1 20030909; AU 2003217600 A8 20030909;
EP 1495127 A2 20050112; EP 1495127 A4 20070321; EP 2348121 A1 20110727; EP 2357245 A1 20110817; US 2005255572 A1 20051117;
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